V-series 1

How to get started

08 - 2014

ESKO

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1. Preface

How to get started

with
Kongsberg V-series

Serial no:_____

PLEASE READ THIS FIRST

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This document supersedes all previous dated versions.

Correspondence regarding this publication should be forwarded to:

Global support

Esko-Graphics Kongsberg AS

Note: We remind you that only the Esko Staff, or persons having received appropriate training, are allowed to handle, manipulate or do repairs on the system.

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2. Change record

Date dd-mm-yy	By	Description
30-05-2014	jhbe	First version of this document

3. Introduction

3.1 Welcome

Welcome to a long-lasting co-operation with Esko.

This **How to get Started Manual** is a brief introduction to the system you are about to receive.

It should stay available to Operators all time.

3.2 SoC, ROHS

EC Declaration of Conformity

as defined by EU-directive 2002/95/EG RoHS

Kongsberg, 26th of April 2006

Reference is made to the European Union Restriction of Hazardous Substances Directive
2002/95/EG RoHS, related to forbidden substances in electrical and electronic equipment.

We hereby confirm that our standard products are free from the defined forbidden materials
as of the date of this statement, and consequently fully in compliance with said directive coming into force on July the 1st 2006.

Emil Skarra

Emil Skarra
Managing Director
Esko-Graphics Kongsberg AS

3.3 Statement of Conformity

EC DECLARATION OF CONFORMITY FOR MACHINERY

in the sense of the EC-directive 2006/42/EC

Manufacturer:

- Esko-Graphics Kongsberg AS, Kirkegårdsveien 45, N-3616 Kongsberg, Norway
- Esko Brno s.r.o. Vídeňská 101/119, PSČ 61900 Brno, Česká republika

For manufacturing plant, see type plate.

The manufacturer declares that

Product: **KONGSBERG Cutting Machine**

Type: **Vnn**

Serial number: _____

is in conformity with the provisions of the Machinery Directive 2006/42/EC, as amended, and with national implementing legislation.

is in conformity with the provisions of the following other EEC directives:

2004/108/EC (EMC)

2006/95/EC (LVD)

has completed EMC test according to:

EN 61000-6-2 (2005), EN 61000-6-3 (2007)+A1:2011

FCC CFR 47 Part 15 (2007) Class A

and furthermore declares that the following harmonized standards have been applied:

EN ISO 12100:2010, EN ISO 13849:2008,

EN 61496-1:2004+A1:2008, EN 60204-1:2006+A1:2009

Conformity evaluation body:

- Nemko GmbH & Co, Reetzstrasse 58, 76318 - Pfinztal, Germany

Type-examination certificate no: CE-1402-254504-000

The above-mentioned product corresponds to the prototype for which the Statement of Conformity certificate was issued.

The responsible person for documentation is:
Marian Zincke, Esko-Graphics Imaging GMBH, Heerskamp 6, 25524 Itzehoe.

Kongsberg, 08-05-2014

Emil Skarra

Managing Director

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4. General Information

4.1 Where to find Information

The following documentation is available for the equipment:

Title	Target personnel	Media, shipment	Language	Purpose
How to get started	Customer	Online in shipment (pdf).	Local and US	Shortform introduction.
Site Preparation Instruction Manual	Customer	Online in shipment (pdf).	Local and US	How to prepare for installation.
User Manual	Customer	Online in shipment (pdf).	Local and US	User manual.
Online Help	Customer	Online (chm) in shipment.	Local and US	Context sensitive help
Technical Reference	Tech. support personnel	Online in shipment (pdf).	US	Technical information for special purpose.
Test manual	Service	Online in shipment (pdf).	US	How to run Hwtest test programs.
Technical Manual	Service	Online in shipment (pdf).	US	Technical information aimed for service needs.
Installation Manual	Service	Online in shipment (pdf).	US	Technical information aimed for service needs.
Maintenance Manual	Customer/ Service	Online in shipment (pdf).	US	Technical information aimed for service needs.
Training documentation		Online in shipment (pdf).	Local and US	Customer training.

4.2 Site Preparation

In the **Site Preparation Manual**, all information needed for planning and preparing the installation of the Kongsberg system is available.

All preparations specified in that handbook should be completed before the **Service Engineer** arrives on-site to install the system.

All technical data and requirements about the equipment are available from the **Site Preparation Manual**.

4.3 **User Manual**

In addition to the printed version, the **User Manual** is available as an icon on the Front End PC.

The **User Manual** contains all information needed about:

- Operator Safety.
- How to operate the system.
- How to adjust the system properly.
- System description.
- Daily maintenance.

4.4 Safety Issues

Your Kongsberg system is built for high speed and productivity.

Danger zones are designed away as far as practically possible.

Still, the system represents potential hazard if operating procedures and safety precautions are not followed.

The system is equipped with additional provisions for warning against potential hazards.

These additional provisions are:

- Warning signs on moving parts.
- Do not touch signs at critical areas.
- Warning sign on the electrical control units.
- Warnings in the User Manual.

The safety issues including a label plan are described in the User Manual topic 'Safety regulations'.

Special attention should be paid upon the following:

- Be careful when handling knife blades. Knives are extremely sharp.
- Be careful when handling heavy materials. Take care of your own health.
- Be careful not to hit parts of tools and **Tool Head**.
- The system is equipped with a class II laser pointer. Avoid laser beam hit your eyes.

The **Main Power** on/off switch on the **Operator Station** is for daily power on/off.

To permanently remove **Mains** from the equipment, remove the power cable to the equipment from the wall outlet.

If wall outlet is not available, turn off the **Mains** power switch.

Work flows and awareness of potential hazards should be periodically reviewed by the **Customer's Safety Responsible**.

4.4.1 What can the system be used for

The system is designed for use within applications, materials, tools and workflow as described in the **User Manual**

In the **User Manual**, the intended use is described in the following chapters:

- Basic Operations
- Prepare for a Job
- How to Procedures, Advanced

Any other use is considered non-intended use.

Examples of non-intended use:

- Operation by operators not meeting the requirements as described above.
- Unauthorized modifications (bridging safety devices, removing covers etc.)
- Utilizing accessories other than those specified by Esko.

Non-intended use may cause:

- Health hazards and injuries.
- Damage to the system.
- Incorrect functionality.
- Damage to work materials.

Esko is not liable for use of the system when these guidelines are not followed.

4.4.2 Who are allowed to use the system

Note: We remind you that only the Esko Staff, or persons having received appropriate training, are allowed to handle, manipulate or do repairs on the system.

Training will be given to the customer appointed operator(s) by the **Esko Service Engineer** as part of the installation.

The training covers:

- Safety Regulations.
- Start-up and shut-down procedures.
- Online Help / User Manuals.
- Set-up procedures.
- Adjustment procedures.
- Workflow.
- Maintenance.

For additional training courses, contact **Esko Global Support**.

Un-trained personnel shall under no circumstances be allowed to operate the system!

4.5 Installation

Esko Authorized Personnel only are allowed to install the equipment.

4.5.1 What is received

The delivery is specified in a **Packing List** following the shipment.

4.5.2 Unpack Equipment

Esko Authorized Personnel only are allowed to unpack the equipment.

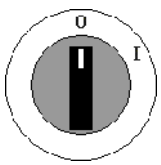
4.6 Table Operation

For detailed information on how to operate the system, be familiar with the **User Manual** and complete the following sequences:

- Get started.
- Basic operation.
- Table setup.
- Tool heads and tools.

4.6.1 Power On Sequence

Follow these steps to power up the system and get ready to work:

1	**Front End PC** Switch on the PC and the monitor.
2 	**Table Power** Switch the table on using the **Main Power Switch**. Note: After power off, wait minimum 5 sec. before the system is switched on again.
3	**XL-Guide/XL-Guide**

Use the mouse, double-click the icon for **XP-Guide/XL-Guide**.

Check that no error message indicates faulty conditions.

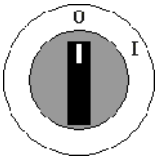
4	**Safety System** Reset the **Safety System** by pressing the ***Stop*** pushbutton.
5	**Servo Power** Press the ***Servo On*** pushbutton. The **Warning Lamp** on top of the Y carriage should be on without flashing.
6	**Table Zero Sequence** Press ***Start*** pushbutton to complete the **Table Zero Sequence**. The machine will move to the **Selected Reference Point**.
7	**The table is now ready for operation.**

4.6.2 Reset Safety System

Press ***Stop*** to **Reset Safety System**.

4.6.3 Power Off Sequence

Follow these steps to power down the system:

1	**Servo Power** Press the ***Servo On*** pushbutton to switch **Servo Off**.
2 	**Table Power** Turn **Table Power** off using the ***Main Power Switch***. Note: After power off, wait minimum 5 sec. before the system is switched on again.
3	**Front End PC** To switch off the PC, use the **Operating System** shutdown procedure..

4.6.4 Continue after Safety Break

If the **Safety System** is activated, all movements on the table are stopped and the **Warning Lamp** starts flashing.

To continue operation, proceed as follows:

1	Ensure the table is free from obstructions and ready for operation.
2	Reset the **Safety System** by pressing the ***Stop*** pushbutton.
3	The **Warning Lamp** on top of the Y carriage should be on without flashing. Observe that **Servo Power** is switched on,
4	Press ***Start*** to continue.

4.6.5 Software Updates

Follow the installation procedure on the CD cover.

The procedure is also available in the **Installation Manual**.

4.6.6 Maintenance

Maintenance done by the customer is limited to preventive maintenance.

This is described in the **User Manual**.

Any other maintenance, repair, replacement of parts etc. must be done by **Esko Authorized Personnel** only.